

Title (en)
CONTACTLESS ELECTRICAL POWER TRANSFER AND MOTIVE DEVICE THEREWITH

Title (de)
KONTAKTLOSE STROMÜBERTRAGUNG UND ANTRIEBSVORRICHTUNG DAMIT

Title (fr)
TRANSFERT D'ÉNERGIE ÉLECTRIQUE SANS CONTACT ET DISPOSITIF MOTEUR ASSOCIÉ

Publication
EP 4110644 A1 20230104 (EN)

Application
EP 21760636 A 20210226

Priority
• US 202062982085 P 20200227
• IL 2021050219 W 20210226

Abstract (en)
[origin: WO2021171299A1] Contactless electrical motion apparatus in which power is contactlessly made available to a moving part from a static part, comprises, a stator which in cross section comprising a magnetisable outer wall enclosing a conductor and a hollow space, the magnetizable outer wall having a discontinuity forming an airgap, the stator and hollow space in longitudinal section forming a rail. A moving part has a shoe or slider that fits within the hollow space to ride along the rail, the mover contactlessly filling the air gap at any given location when passing. With the airgap closed a magnetic circuit forms through the magnetizable outer wall and passes via the shoe or slider. The mover has a coil in which currents are inducible from the closed magnetic circuit.

IPC 8 full level
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CPC (source: EP IL KR US)
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